

# 2016 Greater Sage Grouse Invasive Species Management

## Exhibit 5: Qualitative Efficacy Monitoring Form

NOTE: This form ***must*** be attached to the treatment application record

Examiner(s): \_\_\_\_\_

<b>Date:</b>	<b>Time:</b>	<b>Site Name:</b>	
<b>Location:</b>		<b>UTM required if site is not already in NRIS database</b>	
		<b>UTM: N</b>	
		<b>E</b>	
<b>NRIS Site ID's:</b>			

**Weed Treatment Method(s) – Check All that Apply and List Specific Herbicide, Agent, etc., if Known**

Target Weed	Herbicide	Mechanical	Biological Control

**Control Rating – A Separate Line is Required for Each Weed Species Treated**

Target Weed	0	1-5%	6-25%	26-50%	51-75%	76-95%	96-100%	Unknown

Weed Density Classes (plants/meter sq.):		Weed Distribution		Phenology Classes (estimated %)	
0		Isolated		Seedling	
1-25		Clump		Rosette	
26-50		Scattered-Evenly		Bolting	
51-100		Scattered-Patchy		Bud	
101-150		Continuous		Flower	
>150		Linear		Seed Set	
				Senescent	
				Dormant	
				Dead	

**OBSERVATIONS (REQUIRED FIELD)** Observations such as plant community, dominant plants, other invasive plant species present, presence of Sensitive plant species, non-target effects and general description of response to treatment:

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## Soil Surface Factors – Check the Appropriate Box for Each Factor

Soil Factor	1	2	3	4	5
Soil Movement	No visual evidence of movement.	Some movement of soil particles.	Moderate movement of soil is visible and recent. Slight terracing generally < 1" in height.	Occurs with each event. Soil and debris deposited against minor obstructions.	Subsoil exposed over much of area, may have embryonic dunes and wind scoured depressions.
Surface Litter	Accumulating in place.	May show slight movement.	Moderate movement is apparent, deposited against obstacles.	Extreme movement apparent, large and numerous deposits against obstacles.	Very little remaining (use care on low productivity sites).
Surface Rock	If present, the distribution of fragments show no movement caused by wind or water.	If present, coarse fragments have a truncated appearance or spotty distribution caused by wind or water.	If present, fragments have a poorly developed distribution pattern caused by wind or water.	If present, surface rock or fragments exhibit some movement and accumulation of smaller fragments behind obstacles.	If present, surface rock or fragments are dissected by rills and gullies or are already washed away.
Soil Pedestals	No visual evidence of pedestals.	Slight pedestals in flow patterns.	Small rock and plant pedestals occurring in flow patterns.	Rocks and plants on pedestals generally evident, plant roots to 10".	Most rocks and plants on pedestals and roots exposed.
Flow Patterns	No visual evidence of flow patterns.	Deposition of particles may be evident.	Well-defined, small, and few with intermittent deposits.	Flow patterns contain silt and sand deposits and alluvial fans.	Flow patterns are numerous and readily noticeable. May have large barren fan deposits.
Rills	No visual evidence of rills.	Some rills evident at infrequent intervals > 10'.	Rills ½" to 6" deep occur in exposed places at ~ 10' intervals.	Rills ½" to 6" deep occur in exposed areas at intervals of 5-10'.	Rills 3-6" deep may be present at intervals < 5'.
Gullies	Gullies may be present in stable condition. Vegetation on channel bed and side slopes.	A few gullies evident that show little bed or slope erosion. Some vegetation present on slopes.	Gullies are well developed with active erosion along < 10% of their length. Some vegetation may be present.	Gullies are numerous and well developed with active erosion along 10-50% of their lengths or a few well-developed gullies with active erosion along > 50% of their length.	Sharp incised gullies cover most of the area and > 50% are actively eroding.

Comments:

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